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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/713,875	11/14/2003	Udo Klein	16104-006001 / 2003P00701	1878
32864	7590	11/13/2006	EXAMINER ORTIZ, BELIX M	
FISH & RICHARDSON, P.C. PO BOX 1022 MINNEAPOLIS, MN 55440-1022			ART UNIT 2164	PAPER NUMBER

DATE MAILED: 11/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/713,875	Applicant(s) KLEIN ET AL.	
	Examiner Belix M. Ortiz	Art Unit 2164	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 August 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Remarks

1. In response to communications files on 22-August-2006, claims 2, 4, 10, and 13 are amended by applicant's request. Therefore, claims 1-20 are presently pending in the application.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-20 are rejected under 35 U.S.C. 102(b) (Eff. Filing date of application: 11/14/2003) as being anticipated by Levine et al. (U.S. patent 4,914,569) (Eff. Filing date of application: 10/30/1987).

As to claims 1 and 16, Levine et al. teaches a method and an article comprising a machine-readable medium storing instructions operable to cause one or more machines to perform operations comprising:

presenting a user interface to access records in a database (see abstract and column 1, lines 7-20);

associating a record key with a database key in response to a record access, the record key comprising a key used to identify the record, and the database key comprising a key used to track the record (see figures 1 and 2; column 3, lines 52-61 and column 4, lines 1-68);

modifying the record key based on input received via the user interface (see column 2, lines 12-15 and column 5, lines 7-12);

associating the modified record key with the database key (see column 6, lines 25-32; column 6, lines 63-67; and column 7, line 1); and

providing access to the record through the user interface using the database key associated with the modified record key to identify the record in the database (see column 6, lines 63-67; and column 7, line 1).

As to claims 2 and 17, Levine et al. teaches wherein the database key is a unique value based on information independent of both content and organization of a record in a database (see column 4, lines 1-7).

As to claim 3, Levine et al. teaches wherein the record includes the associated database key when stored in memory at runtime, the method further comprising removing the database key from the record before storing the record in the database (see column 4, lines 33-36).

As to claims 4, 12, and 18, Levine et al. teaches wherein the record access comprises generation of a record (see column 2, lines 34-37).

As to claim 5 Levine et al. teaches wherein providing access comprises saving the record corresponding to the modified record key to the database (see column 2, lines 34-37).

As to claims 6 and 19, Levine et al. teaches wherein the record key comprises an object identifier portion and an object type portion, and modifying the record key comprises copying the record in the database (see abstract; column 2, lines 34-37; column 2, lines 51-55; column 3, lines 52-55; and column 4, lines 34-36).

As to claims 7 and 20, Levine et al. teaches the method further comprising:

associating a second type of record key with the record in the database, the second type of record key comprising a key used to identify and made part of the record (see column 4, lines 34-36); and

providing access to the record through the user interface using the second type of record key (see column 4, lines 29-41).

As to claim 8, Levine et al. teaches a database system comprising:

a database stored on a storage device (see column 3, lines 17-18);

a program that identifies a record by a database key (see column 3, lines 62-67 and column 4, lines 1-5); and

a database key association layer operable to generate the database key and associate the database key with a record key in response to a record access by the program, wherein the record

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key comprises a key usable to identify the record in the database (see column 3, lines 62-67 and column 4, lines 1-24).

As to claim 9, Levine et al. teaches wherein the record includes the associated database key when stored in memory at runtime and the record excludes the database key when stored in the database (see column 4, lines 33-36).

As to claim 10, Levine et al. teaches wherein the database key is based upon a value independent of both content and organization of a record in a database (see column 4, lines 1-7).

As to claim 11, Levine et al. teaches wherein the database key association layer being operable to generate a second type of database key usable to identify the record in the database, wherein the second database key is based upon the record content and organization of the record in a database (see column 3, lines 62-67; column 4, lines 1-5; and column 4, lines 34-36).

As to claim 13, Levine et al. teaches a system comprising:
means for generating a first mapping usable to identify a record in a database by reference to a first type of database key, wherein the first type of database key has a corresponding record in the database and the first type of database key being a unique value based on information independent of both content and organization of a record in a database (see column 4, lines 1-7; column 6, lines 63-67; and column 7, line 1).

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As to claim 14, Levine et al. teaches the system further comprising:

means for generating a second mapping usable to identify records in the database by reference to a second type of database key, where each second type of database key corresponds to a record in the database and the second type of database key is a unique value (see column 4, lines 1-7 and column 4, lines 34-36).

As to claim 15, Levine et al. teaches wherein the record identified by the first mapping includes the first type of database key when stored in memory at runtime (see column 4, lines 33-36), the system further comprising:

means for removing the first type of database key from the record identified by the first mapping before storing the record in the database (see column 4, lines 33-36).

Response to Arguments

4. Applicant's arguments filed 22-August-2006 with respect to the rejected claims in view of the cited references have been fully considered but they are not found persuasive:

In response to applicants' arguments that Levine et al. "does not teach modifying the record key based on input received via the user interface", the arguments have been fully considered but are not deemed persuasive, because Levine et al. teaches an user that want to change a record (see Levine et al., column 2, line 13) and that the key record information can be delete or inserted into a database table (see Levine et al., column 2, lines 34-38).

Conclusion

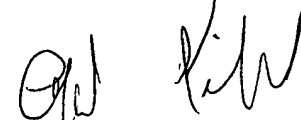
5. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Belix M. Ortiz whose telephone number is 571-272-4081. The examiner can normally be reached on Monday-Friday 9am-5pm. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

bmo


ALFORD KINDRED
PRIMARY EXAMINER

November 6, 2006